

Species Tag:	112001	Species Name:	Se-80-O2
Version:	1		Selenium Dioxide,
Date:	Sept. 1995		^{80}Se isotope
Contributor:	H. S. P. Müller		
Lines Listed:	7484	$Q(300.0) =$	10779.685
Freq. (GHz) <	2510	$Q(225.0) =$	6996.362
Max. J:	99	$Q(150.0) =$	3805.880
LOGSTR0=	-8.0	$Q(75.00) =$	1345.345
LOGSTR1=	-7.0	$Q(37.50) =$	476.116
Isotope Corr.:	-0.303	$Q(18.75) =$	168.775
Egy. (cm^{-1}) >	0.0	$Q(9.375) =$	60.006
$\mu_a =$		A=	28826.532
$\mu_b =$	2.7	B=	8676.6837
$\mu_c =$		C=	6651.8979

The data were taken from (1) H. Takeo, E. Hirota, and Y. Morino, 1970, *J. Mol. Spect.* **34**, 370 (microwave region, dipole moment), and (2) E. A. Alekseev, O. I. Bashkakov, S. F. Dyubko, and B. I. Polevoi, 1986, *Opt. Spektrosk.* **60** 49; *Opt. Spectrosc. (USSR)* **60**, 30 (submillimeter region).

The spectroscopic constants used in the fit were the same as in (2): Watson's A reduction with up to octic distortion constants.